UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 1	**DESN1000** Engineering Design and Innovation	Term 1	**SOLA2060** Introduction to Electronic Devices	Term 1	**SOLA3507** Solar Cells	Term 1	**SOLA4951** Research Thesis A
	MATH1131 Mathematics 1A OR **MATH1141** (Higher) Mathematics 1A		**MATH2089** Numerical Methods and Statistics		**Discipline Elective Course**		**ELEC4122** Strategic Leadership and Ethics
	PHYS1121 Physics 1A OR **PHYS1131** (Higher) Physics 1A		**General Education Course**		**Strand Elective Course**		**Free Elective Course**
Term 2	**ENGG1811** Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A	Term 2	**SOLA2051** Project in Photovoltaics and Renewable Energy	Term 2	**SOLA3010** Low Energy Buildings and Photovoltaics	Term 2	**SOLA4952** Research Thesis B
	SOLA1070 Sustainable Energy		**MATH2018** Engineering Mathematics 2D		**SOLA3020** Photovoltaic Technology and Manufacturing		**SOLA4012** Photovoltaic Systems Design
			Strand Elective Course		**Discipline Elective Course**		**SOLA5057** Energy Efficiency
Term 3	**ELEC1111** Electrical Circuit Fundamentals	Term 3	**DESN2000** Engineering Design and Professional Practice	Term 3	**Discipline Elective Course**	Term 3	**SOLA4953** Research Thesis C
	PHYS1221 Physics 1B OR **PHYS1231** Higher Physics 1B		**SOLA2540** Applied Photovoltaics		**Strand Elective Course**		**General Education Course**
	MATH1231 Higher Mathematics 1A						**Free Elective Course**

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

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Engineering
Bachelor of Engineering (Honours) (3707)
Photovoltaics & Solar Energy Engineering (SOLAAH)
T2 Entry 2025 Sample Plan

UNSW SYDNEY

Year 1

Term 2	**MATH1131** Mathematics 1A
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A
	SOLA1070 Sustainable Energy
Term 3	**ELEC1111** Electrical Circuit Fundamentals
	DESN1000 Engineering Design and Innovation
	ENGG1811 Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A
Term 1	**PHYS1221** Physics 1B OR **PHYS1231** Higher Physics 1B
	MATH1231 Mathematics 1A OR **MATH1241** Higher Mathematics 1A

Year 2

Term 2	**SOLA2051** Project in Photovoltaics and Renewable Energy
	MATH2018 Engineering Mathematics 2D
	General Education Course
Term 3	**DESN2000** Engineering Design and Professional Practice
	SOLA2540 Applied Photovoltaics
	Strand Elective Course
Term 1	**SOLA2060** Introduction to Electronic Devices
	MATH2089 Numerical Methods and Statistics

Year 3

Term 2	**SOLA3010** Low Energy Buildings and Photovoltaics
	SOLA3020 Photovoltaic Technology and Manufacturing
	Strand Elective Course
Term 3	**Strand Elective Course**
	Discipline Elective Course
	Discipline Elective Course
Term 1	**SOLA3507** Solar Cells
	Free Elective Course

Year 4

Term 2	**SOLA4951** Research Thesis A
	SOLA4012 Photovoltaic Systems Design
	SOLA5057 Energy Efficiency
Term 3	**SOLA4952** Research Thesis B
	Discipline Elective Course
	General Education Course
Term 1	**SOLA4953** Research Thesis C
	ELEC4122 Strategic Leadership and Ethics
	Free Elective Course

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Engineering
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Photovoltaics & Solar Energy Engineering (SOLAAH)
T3 Entry 2025 Sample Plan

UNSW SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	**ELEC1111** Electrical Circuit Fundamentals	Term 3	**DESN2000** Engineering Design and Professional Practice	Term 3	**Discipline Elective Course**	Term 3	**SOLA4951** Research Thesis A
	PHYS1121 Physics 1 A OR **PHYS1131** Higher Physics 1A		**MATH2089** Numerical Methods and Statistics		**Discipline Elective Course**		**Discipline Elective Course**
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A		**Free Elective Course**		**Strand Elective Course**		**General Education Course**
Term 1	**PHYS1221** Physics 1B OR **PHYS1231** Higher Physics 1B	Term 1	**SOLA2060** Introduction to Electronic Devices	Term 1	**SOLA3507** Solar Cells	Term 1	**SOLA4952** Research Thesis B
	DESN1000 Engineering Design and Innovation		**SOLA2540** Applied Photovoltaics		**General Education Course**		**ELEC4122** Strategic Leadership and Ethics
	MATH1231 Mathematics 1B OR **MATH1241** Higher Mathematics 1B		**MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 2D		**Strand Elective Course**		**Free Elective Course**
Term 2	**ENGG1811** Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A	Term 2	**SOLA2051** Project in Photovoltaics and Renewable Energy	Term 2	**SOLA3010** Low Energy Buildings and Photovoltaics	Term 2	**SOLA4953** Research Thesis C
	SOLA1070 Sustainable Energy		**Strand Elective Course**		**SOLA3020** Photovoltaic Technology and Manufacturing		**SOLA4012** Photovoltaic Systems Design
							SOLA5057 Energy Efficiency

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